

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

1/8

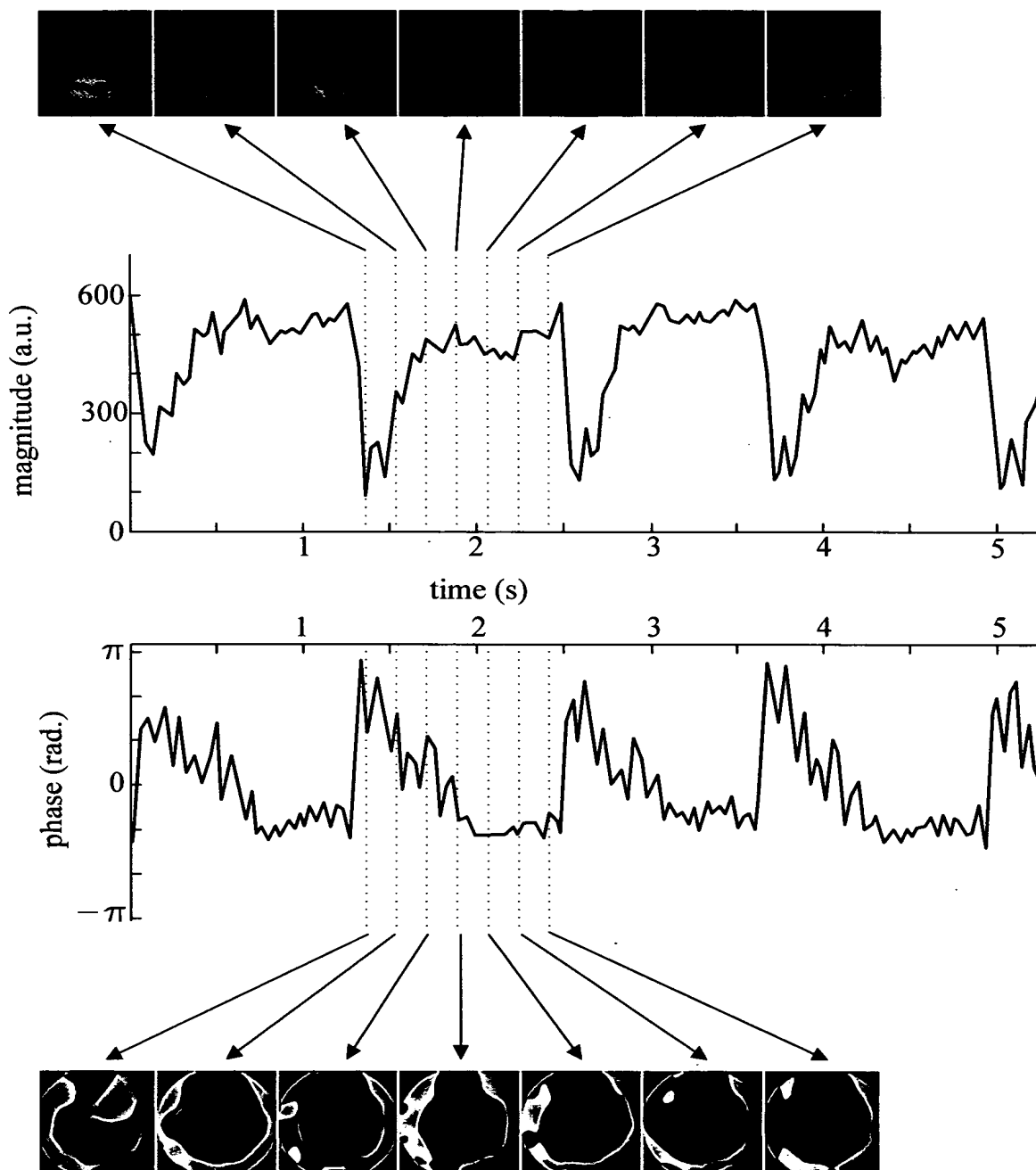


Illustration of the effects of motion on DW magnetization

FIG. 1

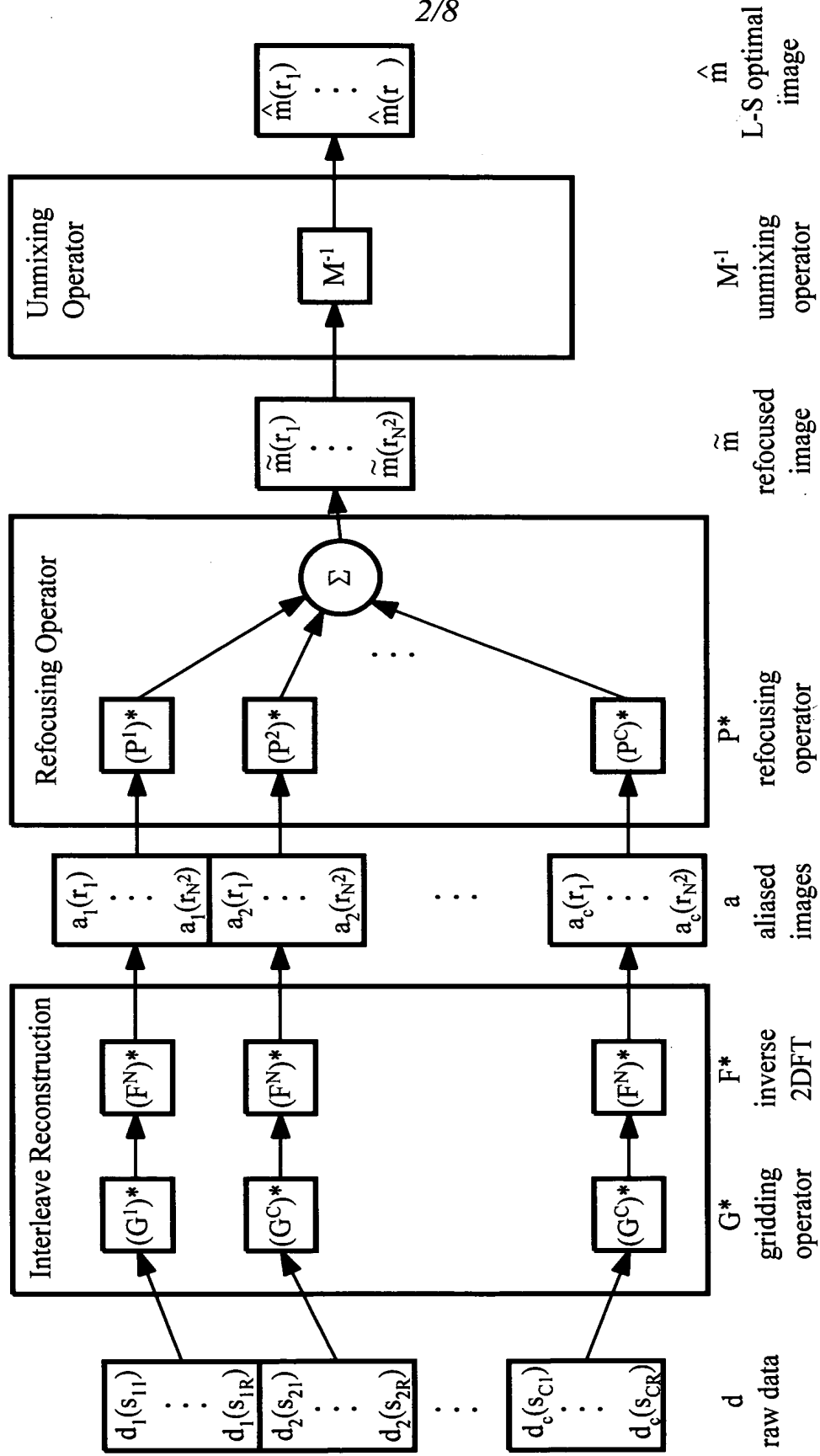
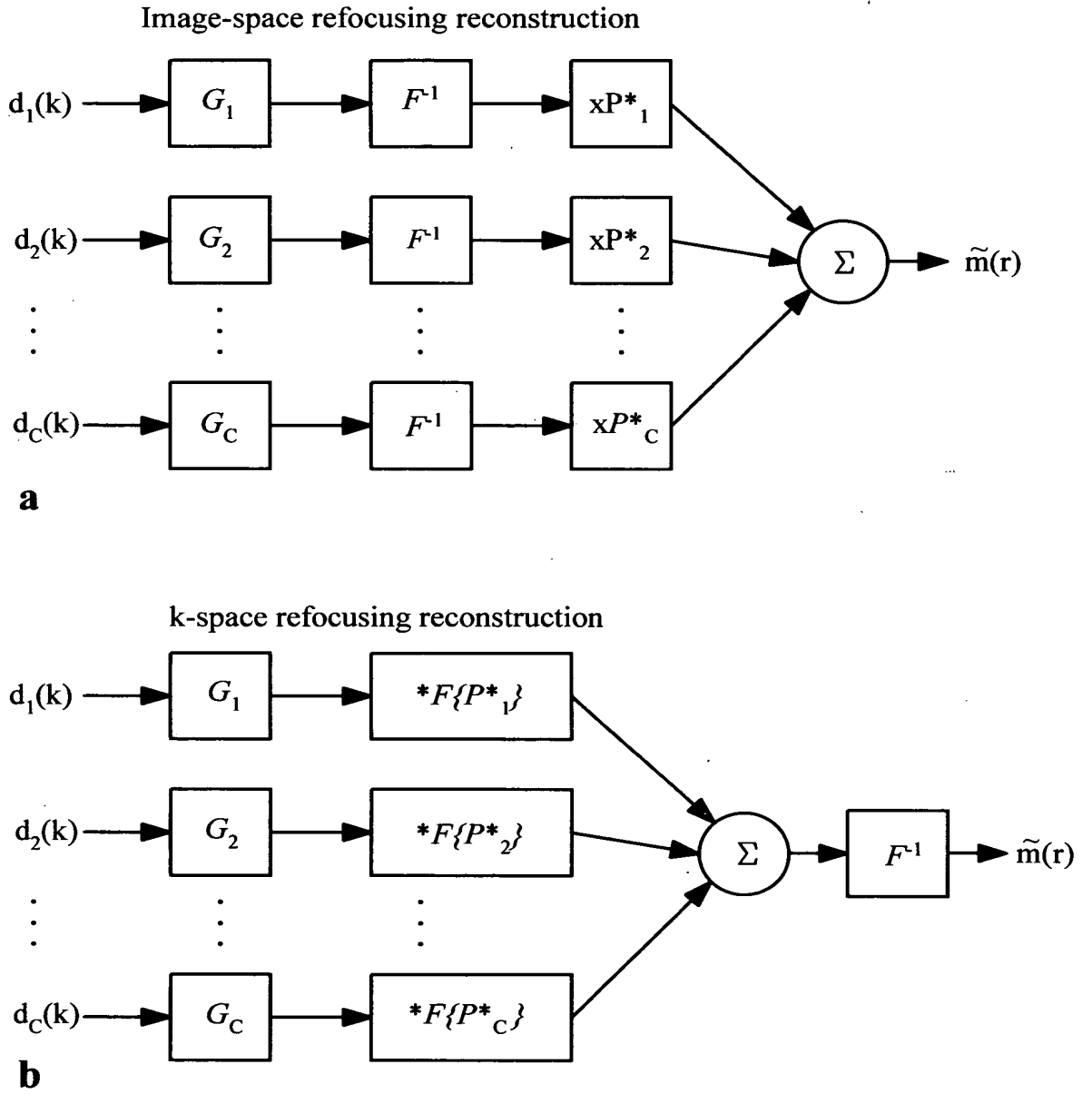


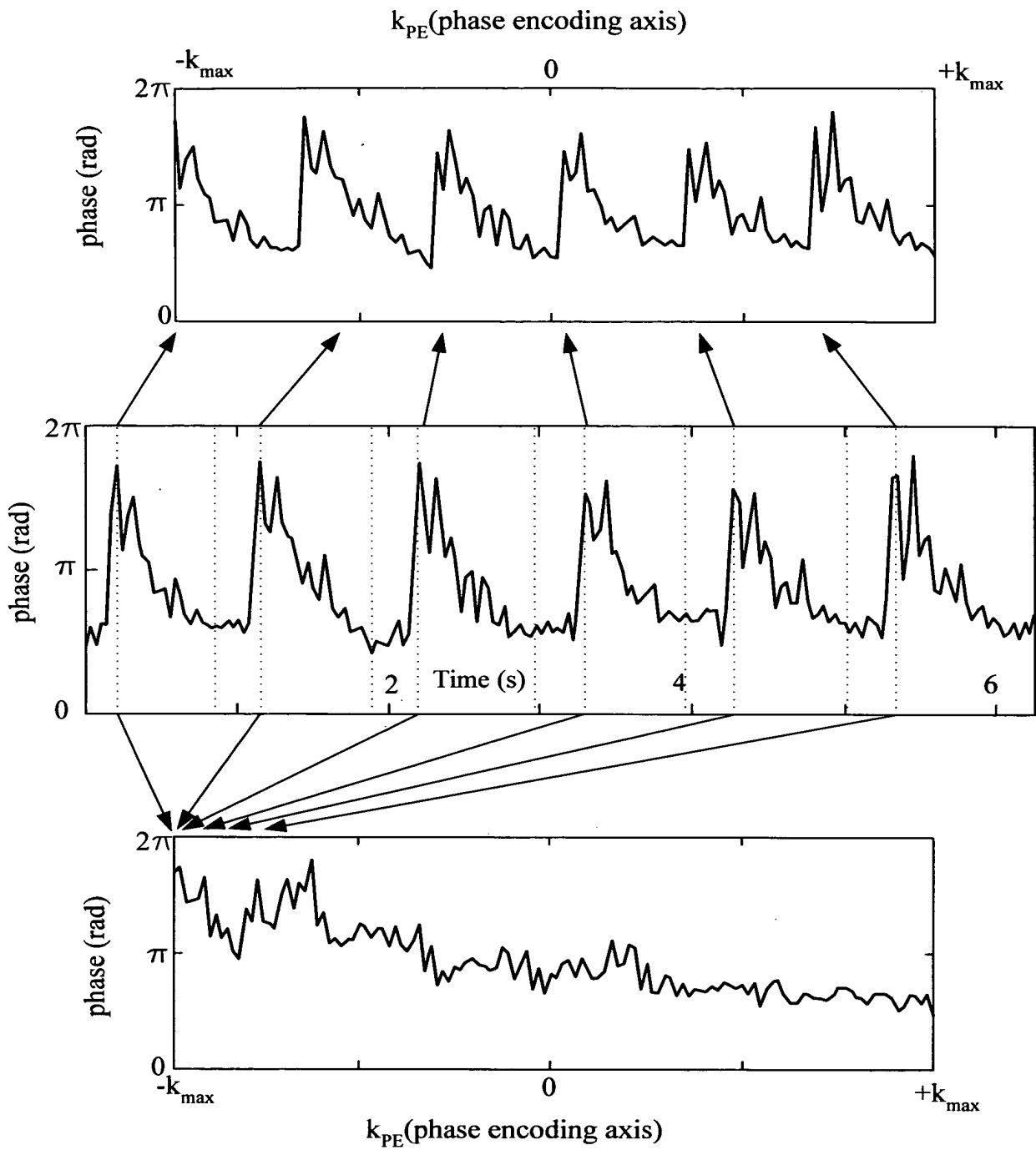
Diagram of the least-squares matrix reconstruction

FIG. 2



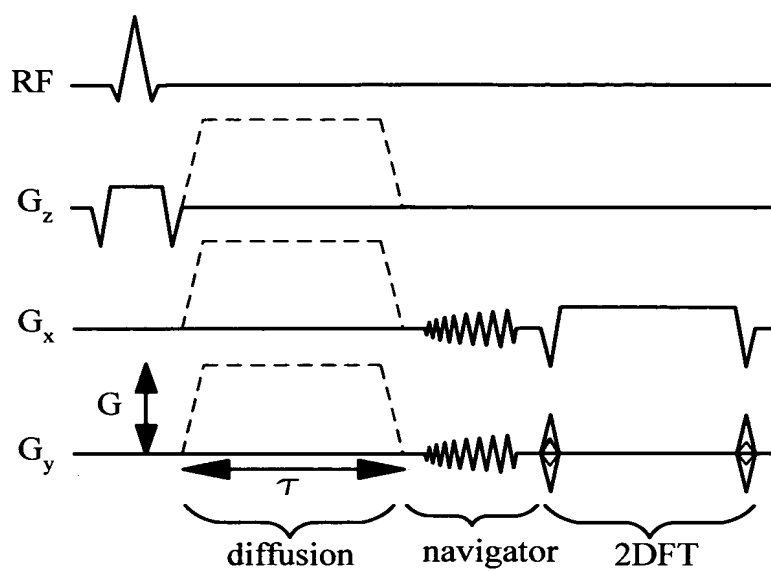
**Block diagram of refocusing reconstruction**  
**FIG. 3**

4/8



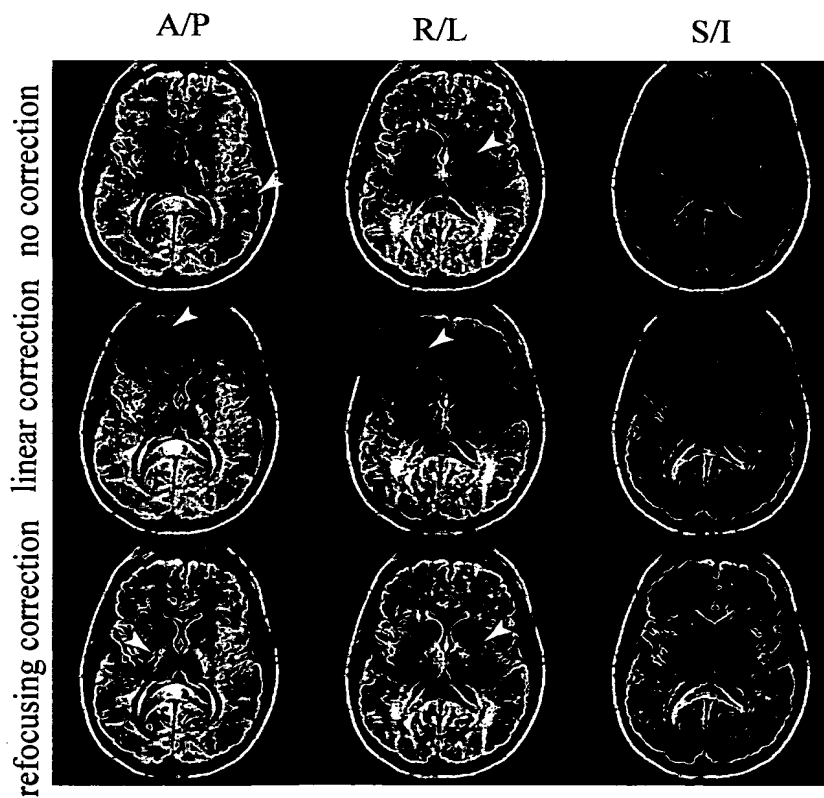
The effect of 2DFT phase-encode ordering on k-space

*FIG.4*



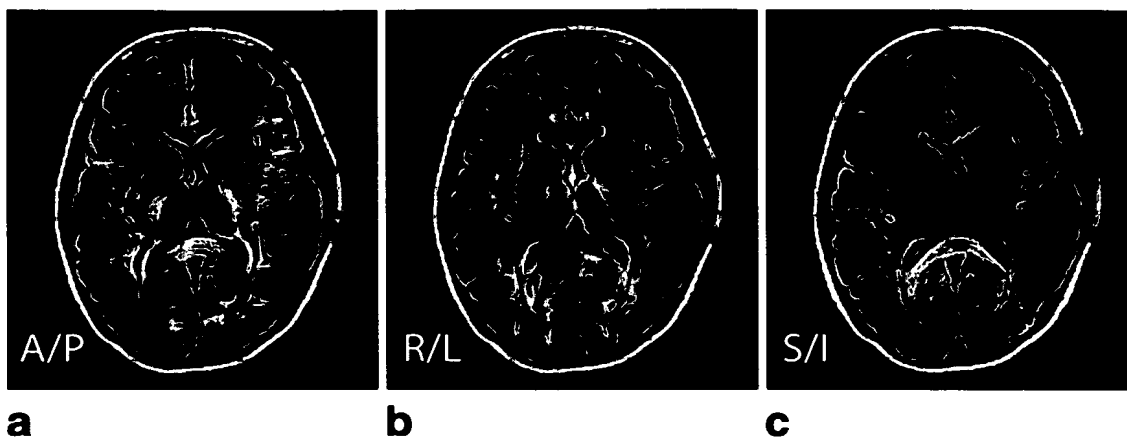
**Navigated steady-state DWI pulse sequence**

*FIG.5*



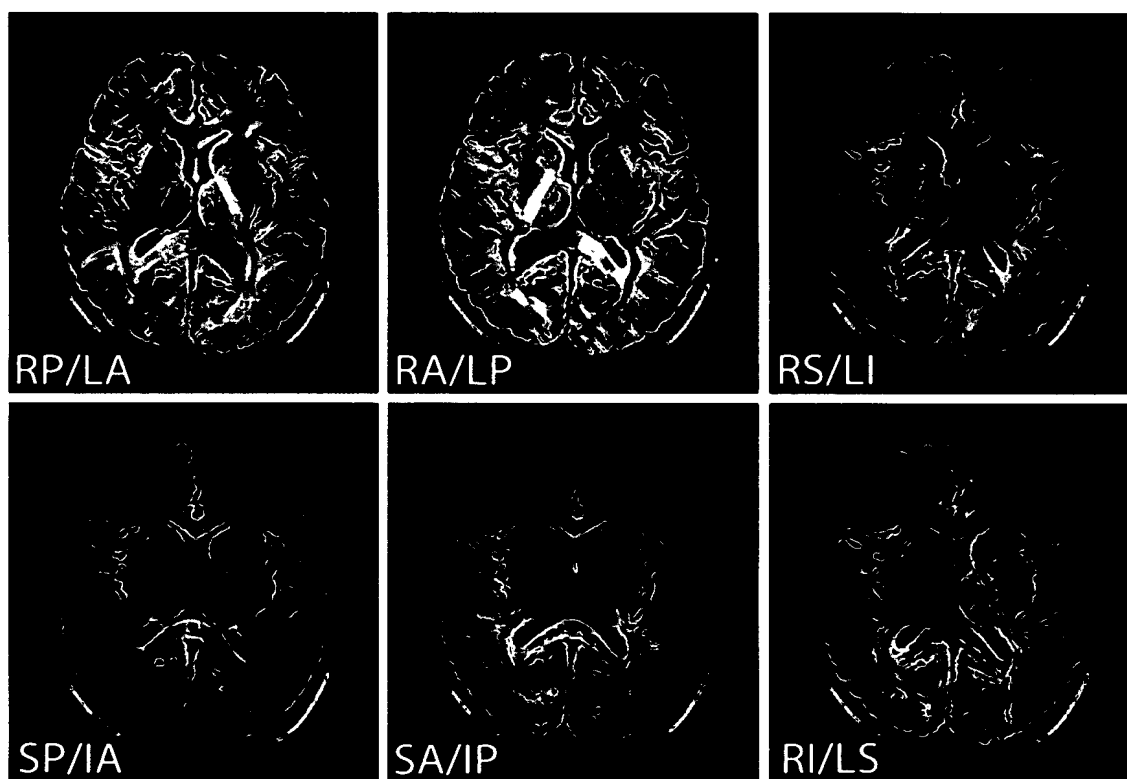
**Untriggered spiral-navigated 2DFT images**

*FIG.6*



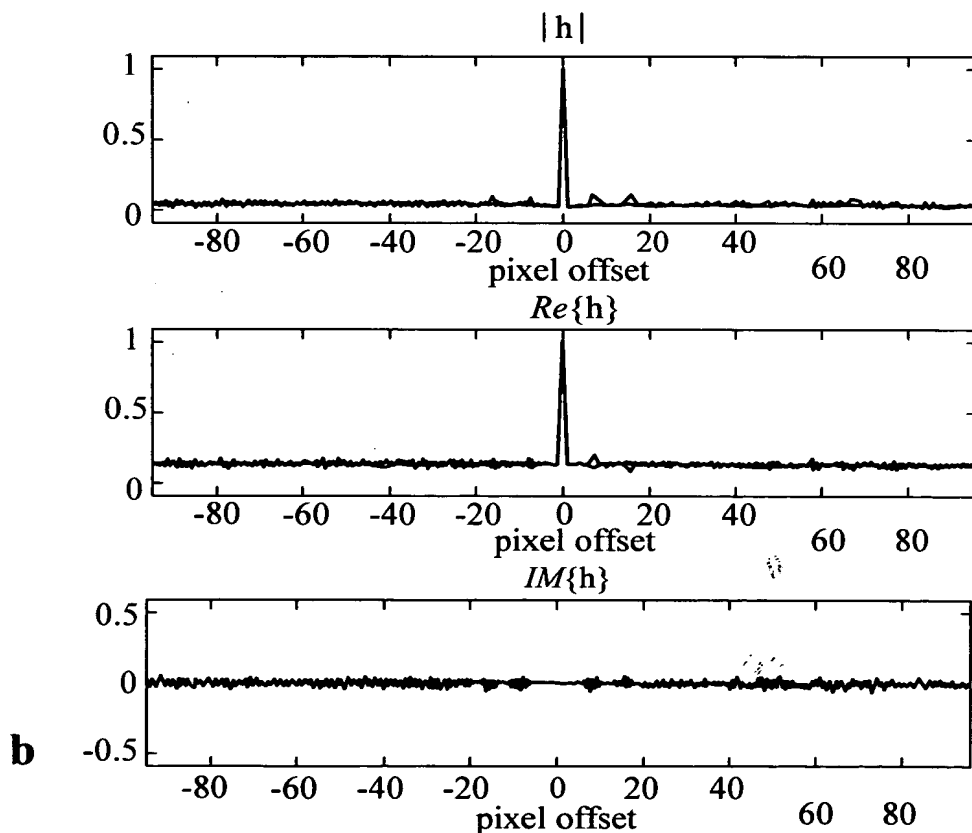
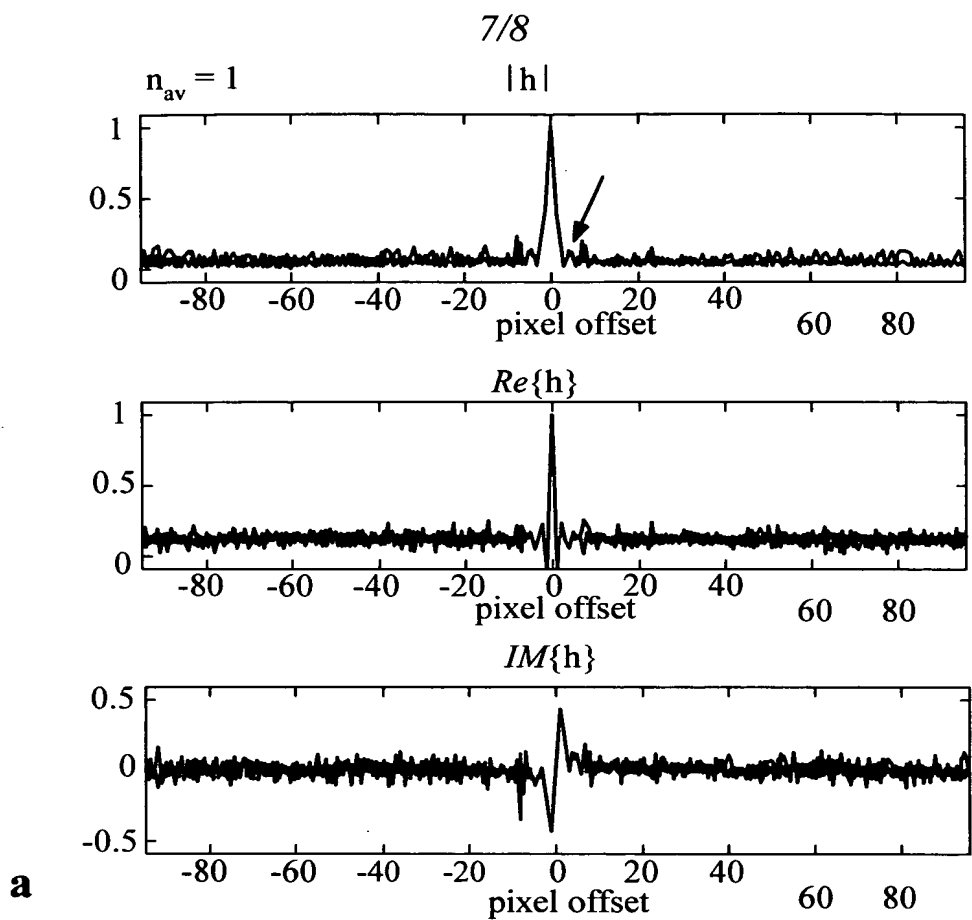
**Cardiac-synchronized, spiral-navigated 2DFT images**

*FIG.7*



**Navigated SS-DWI images**

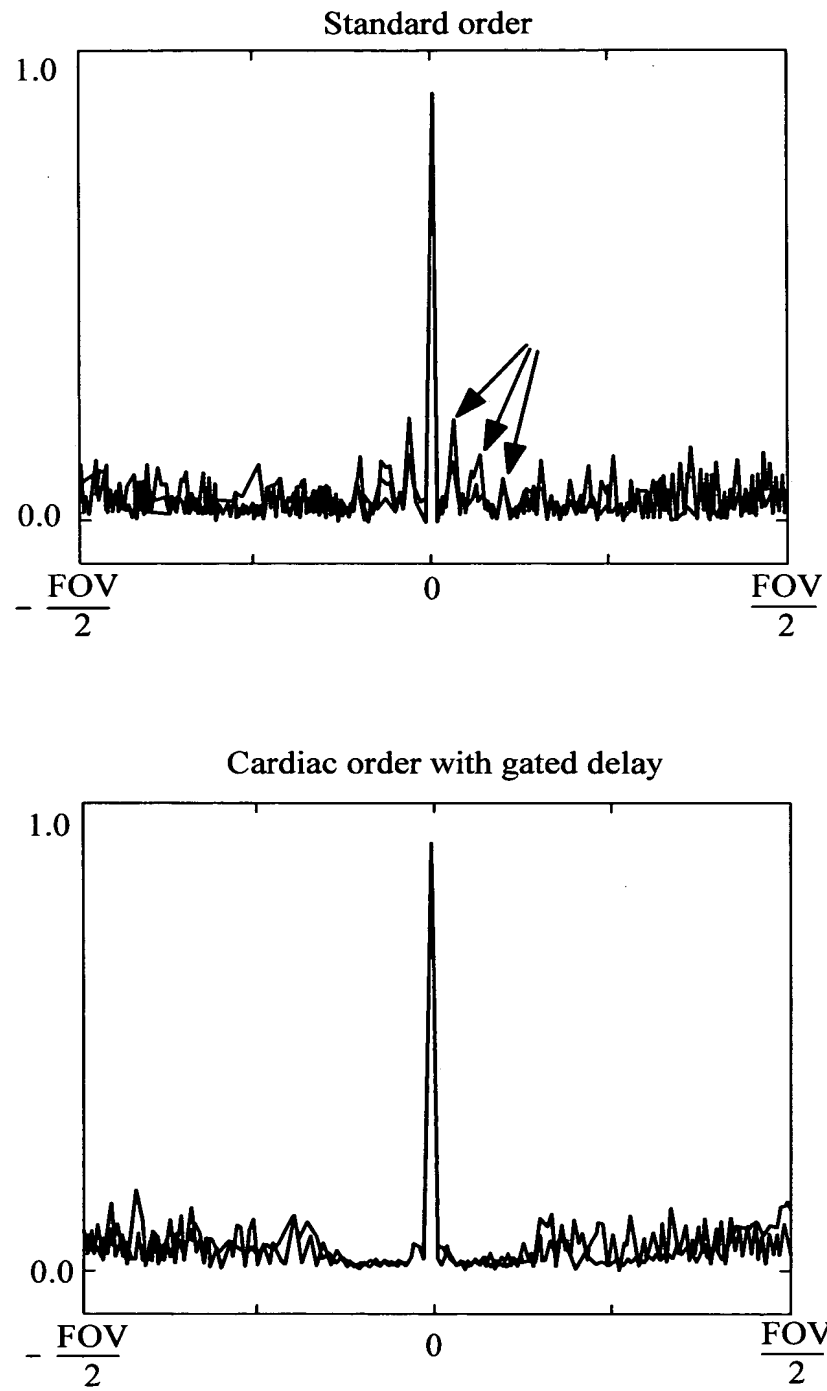
*FIG.8*



Impulse responses of the mixing operator for a 2DFT acquisition

FIG. 9





Simulated impulse response magnitude of the mixing operator for a 2DFT

*FIG. 10*